

Peru

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,138	0,129	0,111	0,098
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,097	0,094	0,091	0,080
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,137	0,144	0,124	0,104
Final energy intensity (at ppp)	koe/\$95p	0,113	0,113	0,096	0,083
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,116	0,114	0,099	0,085
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,102	0,103	0,089	0,075
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,252	0,236	0,214
CO2 emissions per capita	tCO2/cap	n.a.	0,89	1,03	1,06
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,117	0,096	0,107	0,095
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,181	0,160	0,182	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	n.a.	2,60	1,71	1,70
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	0,278	0,276	0,227
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,26	0,31	0,30
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,028	0,034	0,031	0,027
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	n.a.
Unit consumption of goods per ton km	toe/tkm	n.a.	n.a.	n.a.	n.a.
CO2 intensity of transport to GDP (at ppp)	kCO2/\$95p	n.a.	0,100	0,094	0,080
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,35	0,41	0,40
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,068	0,065	0,045	0,038
Average electricity consumption of households per capita	kWh/cap	174	196	241	304
Average electricity consumption per household	kWh/hh	n.a.	n.a.	1086	1397
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	1487	1792
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	n.a.	n.a.	n.a.
Energy intensity of service sector (to value added) (at ppp)	koe/\$95p	0,004	0,005	0,002	0,002
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	0	0	5	5
Unit consumption of services per employee	toe/emp	n.a.	0,04	0,02	0,02
Unit electricity consumption of services per employee	kWh/emp	n.a.	0	41	42
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,057	0,055	0,054	0,048
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,047	0,037	0,021
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	0,51	0,32
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,015	0,005	0,006
CO2 emissions of service sector per employee	tCO2/emp	n.a.	0,12	0,04	0,05
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,101	0,104	0,092
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,03	0,04	0,04
Transformation sector					
Overall efficiency of energy transformations	%	77,3	85,7	86,6	85,3
Efficiency of total electricity generation	%	56,2	67,0	70,4	61,9
Rate of electricity transmission-distribution losses	%	13,0	13,6	11,5	9,5
Efficiency of thermal power plants	%	27,8	32,9	30,9	32,4
Diffusion of energy/CO2 efficient technologies and practices					
Per capita installed capacity of solar water heaters	m ² /1000inhab	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	n.a.	n.a.	n.a.	n.a.
Share of biomass in industry energy consumption	%	14,9	3,8	0,2	0,1
Share of renewables in electricity generating capacity	%	64,7	60,0	47,1	51,7
Share of renewables in gross electricity consumption	%	69,9	75,8	81,2	70,5

¹ CO2 from fuel combustion

² incl. autoproducers

³ by main sector

GDP / PRICES	units	1980	1990	2000	2005
GDP per capita (at ppp)	\$95p/cap	4825	3548	4384	4958
Average electricity price (at ppp)	c95p/kWh	n.a.	n.a.	15,6	16,8
Average price of motor fuels (at ppp)	\$95p/l	n.a.	n.a.	0,97	1,39